

INTER AMERICAN UNIVERSITY OF PUERTO RICO
METROPOLITAN CAMPUS
BUSINESS FACULTY
GRADUATE PROGRAM

SYLLABUS

I. GENERAL INFORMATION

COURSE TITLE : Transportation Systems and Supply Chain
CODE AND NUMBER : BADM 6290
CREDITS : Three (3)
ACADEMIC TERM :
PROFESSOR :
OFFICE LOCATION AND HOURS :
OFFICE TELEPHONE :
E-MAIL :

II. DESCRIPTION

Analysis of the management of land, maritime and air transportation systems. Emphasis in the regulation, documentation, and operation of transport systems. Study of new trends in the transport.

III. OBJECTIVES

It is expected that upon completing the course, the student should be able to:

After successfully completing the course, students should be able to do the following:

1. Explain the basic elements of supply management – world class.
2. Explain the transition to purchasing from supply chain management
3. Establish objectives and policies around purchasing
4. Explain the importance of purchasing and social responsibility
5. Describe the operational aspect of purchasing
6. Select and evaluate suppliers
7. Write an analysis of prices and the different types of discounts.
8. Apply the concept of total cost using present value in the decision to buy or rent
9. Describe the use of Electronic Commerce II in the procurement function and supply chain management
10. Know the role of purchasing and supply chain management in the development of new products
11. Understand the process and technique of negotiation in purchases
12. Identify specific aspects in the area of purchasing new, used or leased capital equipment
13. Apply quantitative techniques and methods in the selection of suppliers in the decision to make or rent the equipment
14. Understand selection, administration of the contract of the service provider.

15. Explain the importance of the price variable in purchasing management
16. Apply quantitative techniques to evaluate the total cost and cost per unit of a product in the price negotiation of a product
17. Explain the importance of the legal aspects of the purchase of materials, services, and technology.
18. Explain the ethical component in the procurement function and supply chain management
19. Explain the institutional differences of the supply chain.
20. Describe the basics of the government procurement function

IV. CONTENT

1. INTRODUCTION TO WORLD-CLASS SUPPLY CHAIN MANAGEMENT
2. GLOBALIZATION AND INTERNATIONAL TRADE
3. LOGISTICS PROVIDERS
4. PURCHASING AND OUTSOURCING
5. INVENTORY MANAGEMENT
6. STORAGE AND MATERIAL HANDLING
7. TRANSPORT AND THE SUPPLY CHAIN
8. FLOW OF INFORMATION IN THE SUPPLY CHAIN
9. MEASURES OF LOGISTICS AND PURCHASING PERFORMANCE
10. SERVICE PURCHASES
11. "OUTSOURCING": DECISION ON MAKING OR BUYING THE PRODUCT
12. Outsourcing and Offshoring
13. Domestic Supply Chain Management
14. SUSTAINABLE SUPPLY CHAIN
15. INTEGRATION AND COLLABORATION
16. NEGOTIATION
17. Ethics and Professional Standards
18. Letters of Credits
19. Use of Pallets and crates

20. Institutional management of Supply Chain
21. Supply Chain Management and Global Supply Management
22. Whiplash effect
23. Incoterms and cargo consolidation

V. LEARNING ACTIVITIES

- A.** Lectures
- B.** Case Studies
- C.** Supplementary readings
- D.** Internet searches
- E.** Audiovisual Support: Powerpoint presentations, videos
- F.** Presentation and discussion of relevant academic journal or trade journal articles

VI. EVALUATION

Required activities to achieve course objective should include various pedagogical activities such as, homework, presentations, short quizzes, partial examinations, and interactive participation. It is highly recommended the utilization of the Blackboard platform as a support system for the course. Assessment techniques should be applied at professor discretion.

1. Students are expected to review prerequisite material as needed, and to read assignments and complete written exercises prior to the class session.
2. Students are required to actively participate in class discussions.
3. The student will be required to complete case studies and homework problems as a mean to practice the acquired practical knowledge in the classroom.
4. This course requires intense practice of quantitative exercises presented in class. Therefore, it is important that students complete all assigned text exercises and case analysis before coming to the classroom. This is a way of acquiring practical knowledge in the classroom.
5. The exercises require the use of Excel or equivalent analytics as a way of better solving the assigned problems. Furthermore, it provides the student a way to situational analysis in a closer way to those used around production and operations.
6. Due to the nature of the intense mathematical practice attendance to class is mandatory with a higher evaluation weight at the end of the course.

Recommended Evaluation:

2 Partial Examinations	(40%)
1 Final Examination	(20%)
Homework / Cases	(30%)
<u>Attendance & Participation</u>	<u>(10%)</u>
Total	(100%)

VII. SPECIAL NOTES

A. Auxiliary services or special needs

ALL STUDENTS WHO REQUIRE AUXILIARY SERVICES OR SPECIAL ASSISTANCE MUST REQUEST THEM AT THE BEGINNING OF THE COURSE OR AS SOON AS THEY BECOME AWARE THAT THEY NEED THEM, THROUGH THE CORRESPONDING REGISTRY, IN THE OFFICE OF THE COORDINATOR OF SERVICES FOR STUDENTS WITH DISABILITIES, DR. MARÍA DE LOS ÁNGELES CABELLO. SHE IS LOCATED IN THE COUNSELING AND COUNSELING PROGRAM, OFFICE 111, ON THE FIRST FLOOR OF THE JOHN WILL HARRIS BUILDING, EXTENSION 2306

B. Honesty, fraud, and plagiarism

DISHONESTY, FRAUD, PLAGIARISM AND ANY OTHER INAPPROPRIATE BEHAVIOR IN RELATION TO ACADEMIC WORK CONSTITUTES MAJOR INFRACTIONS SANCTIONED BY THE GENERAL STUDENT REGULATIONS. THE MAJOR INFRACTIONS, AS STATED IN THE GENERAL STUDENT REGULATIONS, MAY HAVE AS A CONSEQUENCE, SUSPENSION FROM THE UNIVERSITY FOR A DEFINITE PERIOD GREATER THAN ONE YEAR OR THE PERMANENT EXPULSION FROM THE UNIVERSITY, AMONG OTHER SANCTIONS.

C. Use of electronic devices

CELLULAR TELEPHONES AND ANY OTHER ELECTRONIC DEVICE THAT COULD INTERRUPT THE TEACHING AND LEARNING PROCESSES OR ALTER THE ENVIRONMENT LEADING TO ACADEMIC EXCELLENCE WILL BE DEACTIVATED. ANY URGENT SITUATION WILL BE DEALT WITH, AS APPROPRIATE. THE HANDLING OF ELECTRONIC DEVICES THAT ALLOW STUDENTS TO ACCESS, STORE OR SEND DATA DURING EVALUATIONS OR EXAMINATIONS IS PROHIBITED

D. Compliance with the Provisions of Title IX

THE FEDERAL HIGHER EDUCATION ACT, AS AMENDED, PROHIBITS DISCRIMINATION BECAUSE OF SEX IN ANY ACADEMIC, EDUCATIONAL, EXTRACURRICULAR, AND ATHLETIC ACTIVITY OR IN ANY OTHER PROGRAM OR FUNCTION, SPONSORED OR CONTROLLED BY A HIGHER EDUCATION INSTITUTION, WHETHER OR NOT IT IS CONDUCTED WITHIN OR OUTSIDE THE PROPERTY OF THE INSTITUTION, IF THE INSTITUTION RECEIVES FEDERAL FUNDS.

IN HARMONY WITH THE CURRENT FEDERAL REGULATION, IN OUR ACADEMIC UNIT AN ASSISTANT COORDINATOR OF TITLE IX HAS BEEN DESIGNATED TO OFFER ASSISTANCE AND ORIENTATION IN RELATION TO ANY ALLEGED INCIDENT CONSTITUTING DISCRIMINATION BECAUSE OF SEX OR GENDER, SEXUAL HARASSMENT OR SEXUAL AGGRESSION. THE ASSISTANT COORDINATOR SR. GEORGE RIVERA CAN BE REACHED BY PHONE AT EXTENSION 2262 O 2147, OR BY E-MAIL GRIVERAR@METRO.INTER.EDU.

THE NORMATIVE DOCUMENT TITLED **NORMS AND PROCEDURES TO DEAL WITH ALLEGED VIOLATIONS OF THE PROVISIONS OF TITLE IX** IS THE DOCUMENT THAT CONTAINS THE INSTITUTIONAL RULES TO DIRECT ANY COMPLAINT THAT APPEARS TO BE THIS TYPE OF ALLEGATION. THIS DOCUMENT IS AVAILABLE IN THE WEB SITE OF INTER AMERICAN UNIVERSITY OF PUERTO RICO (WWW.INTER.EDU)

VIII. EDUCATIONAL RESOURCES

a) Required Textbook

Johnson, P. Fraser (2020). *Purchasing and Supply Management*. 16th Ed. New York: McGraw Hill.

b) Audiovisual and Information Technology

Campus On-line Services at - <http://cai.inter.edu/>

- **Use of CIT Open Lab is encouraged for use of Spreadsheets and other support software such as SPSS.**
- **ProQuest**
- **Infotrac (Database)**
 - Business and Company Resource Center
 - General Business File International
 - Expanded Academic ASAP

IX. BIBLIOGRAPHY (OR REFERENCES)

Geringer, Michael, McNett, Jeanne, Minor, Michael and Ball, Donald (2016). *International Business* (1st. Ed.) New York: McGraw Hill.

Reid, R. Dan & Sanders, Nada R. (2016). *Operations Management and Integrated Approach*. (6th. Ed.) New York: John Wiley and Sons.

Render, B., Stair R.M., Hanna, M.E. & Hale, T.S. (2015). *Quantitative Analysis for Management*, (12th. Ed.). New York: Pearson Prentice Hall

WEBSITES

Council of Supply Chain Management

<http://www.cscmp.org/>

This is the largest professional organization that focuses on supply chain management. This portal contains a complete list of "glossary" for Supply Chain Management, industry news and some recent case studies.

On-line Journals

Supply Chain Link <http://www.manufacturing.net/scl/>

This is a portal that links with many helpful sites about logistics, ERP, manufacturing, software and technology. It gives you an online version of selected article from many sources including Supply Chain Management Review. You can download some free copies. It also provides some news from Lexis-Nexis.

Purchasing/Supply Chain

<http://www.manufacturing.net/magazine/purchasing/>

This site provides the online version of Purchasing. It provides some industry news about procurement, logistics and transportation issues.

Information Technology

<http://www.informationweek.com/>

This site provides the on-line version of the Information Week magazine. It is good for learning the latest ERP/IT/IS stuff related to supply chain.

Logistics <http://www.inboundlogistics.com/>

This site will link you up with the relevant sites. A pretty good resource if you are getting into the logistics issues.

The McKinsey Quarterly

<http://www.mckinseyquarterly.com/home.aspx>

Under the "Functions" tab, you can access to many global supply chain studies in the "operations" area. Free registration.

Associations related to Purchasing and Supply Chain Management

APICS – <http://www.apics.org>

American Purchasing Society – <http://american-purchasing.com>

National Association of PM – <http://www.napm-md.org>

The Magazine of Procurement & Supply Management Best Practices

<http://www.purchasing.com>

International Chamber of Commerce

Incoterms

<http://www.iccwbo.org/products-and-services/trade-facilitation/incoterms-2010/the-incoterms-rules/>

Excellent site for reviewing Incoterms

International Trade Organization

<http://trade.gov/media/publications/pdf/tfg2008ch1.pdf>

Site explaining the Letter of Credit

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